

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
890050.449APPLICATION NO.
10/717,831INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS

Hironori Kakiuchi et al.

FILING DATE

November 20, 2003

GROUP ART UNIT

1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
u	AA	3,959,799	05/25/76	Gambino et al.	346	135	
u	AB	4,357,616	11/02/82	Terao et al.	346	135.1	
u	AC	4,405,706	09/20/83	Takahashi et al.	430	271	
u	AD	4,477,819	10/16/84	Lee et al.	346	76 L	
u	AE	4,500,889	02/19/85	Wada et al.	346	1.1	
u	AF	4,529,991	07/16/85	Wada et al.	346	76 L	
u	AG	4,587,533	05/06/86	Nakane et al.	346	135.1	
u	AH	4,609,611	09/02/86	Sigyo et al.	430	270	
u	AI	4,647,947	03/03/87	Takeoka et al.	346	135.1	
u	AJ	4,670,345	06/02/87	Morimoto et al.	428	411.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
u	AK	1330368 A	01/09/02	China (with English abstract)		
u	AL	1365108 A	08/21/02	China (with English abstract)		
u	AM	0350078 A1	01/10/90	EP		
u	AN	0474311 A1	03/11/92	EP		
u	AO	0822543 A1	02/04/98	EP		
u	AP	0947351 B1	09/25/02	EP		
u	AQ	0978831 A2	02/09/00	EP		
u	AR	1028421 A2	08/16/00	EP		
u	AS	1139340 B1	06/16/04	EP		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

u	AT	Inoue, H., et al., "Inorganic Write-Once Disc for High Speed Recording," Jpn. J. Appl. Phys. Vol. 42, part 1, no. 2B, pp. 1059-1061, February 2003.
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EXAMINER

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	4,682,321	07/21/87	Takaoka et al.	369	284	
	BB	4,771,413	09/13/88	Nago	369	109	
	BC	4,772,897	09/20/88	Ohkawa	346	135.1	
	BD	5,194,363	03/16/93	Yoshioka et al.	430	271	
	BE	5,208,088	05/04/93	Tominaga et al.	428	64	
	BF	5,297,132	03/22/94	Takano et al.	369	284	
	BG	5,325,351	06/28/94	Uchiyama et al.	369	275.1	
	BH	5,328,813	07/12/94	Strandjord et al.	430	321	
	BI	5,401,330	03/28/95	Saito et al.	136	259	
	BJ	5,414,451	05/09/95	Sugiyama et al.	347	258	

FOREIGN PATENT DOCUMENTS

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	BK	1154413 A2	11/14/01	EP		
	BL	1215669 A2	06/19/02	EP		
	BM	1351230 A2	10/08/03	EP		
	BN	2336463	10/20/99	GB		
	BO	48- 38 000038	01/05/73	JP		
	BP	03-005929	01/11/91	JP (with English abstract)		
	BQ	03-258590	11/18/91	JP (with English abstract)		
	BR	05-159358	06/28/93	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BS	Narumi, K. et al., "45 GB Rewritable Dual-Layer Phase-Change Optical Disk with a Transmittance Balanced Structure," Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202-203.
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	CA	5,458,941	10/11/95	Hintz	428	64.4	
<i>W</i>	CB	5,459,018	10/17/95	Akahira	430	270	
<i>W</i>	CC	5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
<i>W</i>	CD	5,656,370	08/12/97	Murakami et al.	428	332	
<i>W</i>	CE	5,818,808	10/06/98	Takada et al.	369	116	
<i>W</i>	CF	5,871,881	02/16/99	Nishida et al.	430	270.11	
<i>W</i>	CG	5,912,104	06/15/99	Hirotsune et al.	430	270.13	
<i>W</i>	CH	5,948,496	09/01/99	Kinoshita et al.	428	64.1	
<i>W</i>	CI	5,949,747	09/01/99	Miyashita et al.	369	54	
<i>W</i>	CJ	5,958,649	09/28/99	Hirotsune et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>W</i>	CK	05-342631	12/24/93	JP (with English abstract)		
<i>W</i>	CL	05-342635	12/24/93	JP (with English abstract)		
<i>W</i>	CM	10-076755	03/24/98	JP (with English abstract)		
<i>W</i>	CN	1-270528	10/27/89	JP (with English abstract)		
<i>W</i>	CO	2000-187884	07/04/00	JP (with English abstract)		
<i>W</i>	CP	2000-222764	08/11/00	JP (with English abstract)		
<i>W</i>	CQ	2000-285509	10/13/00	JP (with English abstract)		
<i>W</i>	CR	2000-297365	10/24/00	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	CS	Nikkei Electronics, May 12, 2003, pp. 119-133. (in Japanese)
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DA	6,033,752	03/07/00	Suzuki et al.	428	64.1	
	DB	6,096,399	08/01/00	Yoshinari et al.	428	64.1	
	DC	6,111,851	08/29/00	Ohki et al.	369	286	
	DD	6,143,469	11/07/00	Ohta et al.	430	270.13	
	DE	6,210,860	04/05/01	Fukano et al.	430	270.12	
	DF	6,231,945	05/18/01	Miyamoto et al.	428	64.1	
	DG	6,245,404	06/12/01	Saito et al.	428	64.1	
	DH	6,254,966	07/03/01	Kondo	428	156	
	DI	6,266,299	07/24/01	Oshima et al.	369	13	
	DJ	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
	DK	6,333,913	12/25/01	Yoshinari et al.	369	283	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	DL	2001-101709	04/13/01	JP (with English abstract)		
	DM	2001-222819	08/17/01	JP (with English abstract)		
	DN	2001-266402	09/28/01	JP (with English abstract)		
	DO	2001-322357	11/20/01	JP (with English abstract)		
	DP	2002-120458	04/23/02	JP (with English abstract)		
	DQ	2002-269808	09/20/02	JP (with English abstract)		
	DR	2002-329348	11/15/02	JP (with English abstract)		
	DS	2003-105738	04/09/03	JP (with English abstract)		
	DT	2003-178448	06/27/03	JP (with English abstract)		

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	EA	6,355,326	03/12/02	Lee et al.	428	64.1	
<i>W</i>	EB	6,404,712	06/11/02	Lee et al.	369	47.53	
<i>W</i>	EC	6,404,713	06/11/02	Ueki	369	47.53	
<i>W</i>	ED	6,416,837	07/09/02	Kojima et al.	428	64.1	
<i>W</i>	EE	6,528,138	03/04/03	Meinders et al.	428	64.1	
<i>W</i>	EF	6,551,679	04/22/03	Kuroda et al.	428	64.1	
<i>W</i>	EG	6,608,799	08/19/03	Hozumi	369	13.26	
<i>W</i>	EH	6,611,481	08/26/03	Koishi et al.	369	47.53	
<i>W</i>	EI	6,636,477	10/21/03	Miyamoto et al.	369	286	
<i>W</i>	EJ	6,656,559	12/02/03	Mizushima et al.	428	64.1	
<i>W</i>	EK	6,660,451	12/09/03	Sakaue et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

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					YES	NO
<i>W</i>	EL	2003-260874	09/16/03	JP (with English abstract)		
<i>W</i>	EM	2003-326848	11/19/03	JP (with English abstract)		
<i>W</i>	EN	2003-054135	02/26/03	JP (with English abstract)		
<i>W</i>	EO	2004-158134	06/03/04	JP (with English abstract)		
<i>W</i>	EP	2004-039177	02/08/04	JP (with English abstract)		
<i>W</i>	EQ	2004-087073	03/18/04	JP (with English abstract)		
<i>W</i>	ER	3-49054	03/01/91	JP (with English abstract)		
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<i>W</i>	FA	6,670,014	12/30/03	Nishihara et al.	428	64.1	
<i>W</i>	FB	6,751,184	06/18/04	Kojima et al.	369	275.2	
<i>W</i>	FC	6,788,635	09/07/04	Aratani et al.	369	100	
<i>W</i>	FD	6,791,926	09/14/04	Furumiya et al.	369	53.13	
<i>W</i>	FE	6,805,935	10/19/04	Ashida et al.	428	64.1	
<i>W</i>	FF	6,807,142	10/19/04	Nagata et al.	369	275.2	
<i>W</i>	FG	6,841,218	01/11/05	Hosoda et al.	428	64.1	
<i>W</i>	FH	6,929,840	08/18/05	Hosoda et al.	428	64.1	
<i>W</i>	FI	6,982,111	01/03/06	Mizushima et al.	428	64.1	
<i>W</i>	FJ	6,996,055	02/07/06	Mishima et al.	369	283	
<i>W</i>	FK	7,002,887	02/21/06	Kakiuchi et al.	369	59.12	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>W</i>	FL	4-298389	10/22/92	JP (with English abstract)		
<i>W</i>	FM	54-133134	10/16/79	JP (with English abstract)		
<i>W</i>	FN	56-124134	09/29/81	JP (with English abstract)		
<i>W</i>	FO	57-027788	02/18/82	JP (with English abstract)		
<i>W</i>	FP	59-225992	12/19/84	JP (with English abstract)		
<i>W</i>	FQ	60-160036	08/21/85	JP (with English abstract)		
<i>W</i>	FR	60-219097	11/01/85	JP (with English abstract)		
<i>W</i>	FS	6-171236	06/21/94	JP (with English abstract)		

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EXAMINER	<i>W</i>	DATE CONSIDERED	8/21/07
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<i>u</i>	GA	7,018,694	03/28/06	Hosoda et al.	428	64.1	
<i>u</i>	GB	7,142,496	11/28/06	Miyagawa et al.	369	59.11	
<i>u</i>	GC	7,167,431	01/23/07	Miura et al.	369	59.11	
<i>u</i>	GD	2001/0012257	08/09/01	Suzuki et al.	369	94	
<i>u</i>	GE	2001/0017833	08/30/01	Yamada et al.	369	59.11	
<i>u</i>	GF	2001/0041304	11/15/01	Uno et al.	430	270.13	
<i>u</i>	GG	2001/0044073	11/22/01	Fukano et al.	430	270.12	
<i>u</i>	GH	2002/0060979	05/23/02	Tsukuda et al.	369	275.4	
<i>u</i>	GI	2002/0076646	06/20/02	Zhou et al.	430	270.13	
<i>u</i>	GJ	2002/0110063	08/15/02	Yamada et al.	369	47.39	
<i>u</i>	GK	2002/0160306	10/31/02	Hanaoka et al.	430	270.13	
<i>u</i>	GL	2003/0086359	05/08/03	Lee et al.	369	275.3	
<i>u</i>	GM	2003/0134229	07/17/03	Yasuda et al.	430	270.13	
<i>u</i>	GN	2003/0165111	09/04/03	Flynn	369	288	
<i>u</i>	GO	2003/0224215	12/04/03	Kondo et al.	428	694 ML	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>u</i>	GP	62-204442	09/09/87	JP (with English abstract)		
<i>u</i>	GQ	62-226440	10/05/87	JP (with English abstract)		
<i>u</i>	GP	62-226442	10/06/87	JP (with English abstract)		
<i>u</i>	GS	62-245545	10/26/87	JP (with English abstract)		

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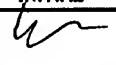
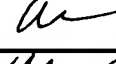
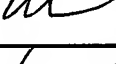
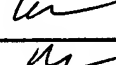
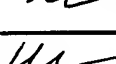
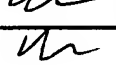


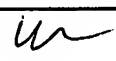

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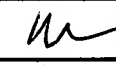


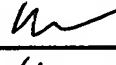
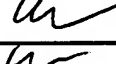
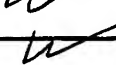
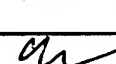
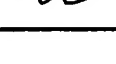
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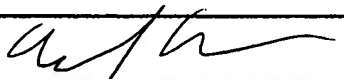
U.S. PATENT DOCUMENTS

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	HA	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
	HB	2004/0001418	01/01/04	Shinotsuka et al.	369	111	
	HC	2004/0013069	01/22/04	Uno et al.	369	59.11	
	HD	2004/0018334	01/29/04	Nee	428	64.1	
	HE	2004/0027652	02/12/04	Erdogan et al.	359	359	
	HF	2004/0052176	03/18/04	Narumi et al.	369	47.39	
	HG	2004/0241581	12/02/04	Kakiuchi et al.	430	270.12	
	HH	2005/0018590	01/27/05	Inoue et al.	369	275.2	
	HI	2005/0018591	01/27/05	Inoue et al.	369	275.2	
	HJ	2005/0018592	01/27/05	Inoue et al.	369	275.2	

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					YES	NO
	HK	6-262854	09/20/94	JP (with English abstract)		
	HL	7-235465	09/05/95	JP (with English abstract)		
	HM	9-007176	01/10/97	JP (with English abstract)		
	HN	01/93256 A1	12/06/01	WO (with English abstract)		
	HO	02/29787	04/11/02	WO (with English abstract)		
	HP	03/025924	03/27/03	WO (with English abstract)		
	HQ	1122723 A1	08/08/01	EP		
	HR	10-143919	05/29/98	JP (with English abstract)		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 890050.449	APPLICATION NO. 10/717,831
	APPLICANTS Hironori Kakiuchi et al.	
	FILING DATE November 20, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>u</i>	IA	2005/0047301	03/03/05	Inoue et al.	369	94	
<i>u</i>	IB	2005/0047302	03/03/05	Inoue et al.	369	94	
<i>u</i>	IC	2005/0047303	03/03/05	Inoue et al.	369	94	
<i>u</i>	ID	2005/0047304	03/03/05	Inoue et al.	369	94	
<i>u</i>	IE	2005/0047305	03/03/05	Inoue et al.	369	94	
<i>u</i>	IF	2005/0047306	03/03/05	Inoue et al.	369	94	
<i>u</i>	IG	2005/0048249	03/03/05	Inoue et al.	428	64.4	
	IH						
	II						
	IJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	IK					
	IL					
	IM					
	IN					
	IO					
	IP					
	IQ					
	IR					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	IS	
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EXAMINER

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